

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 09/06/2016 10:02 AM
Cytometer Baseline: 07/29/2016 03:45 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125725	0	2.18	125698	2.10
Blue	F	SSC	125000	124456	-1	3.56	125024	3.38
Blue	E	FITC	22946	22529	-2	2.56	998	9.62
Blue	D	PE	28770	28312	-2	2.20	1015	8.88
Blue	B	PerCP-Cy5-5	51099	50914	-1	3.39	1467	15.89
Blue	A	PE-Cy7	42312	42647	0	4.98	664	32.72
Red	C	APC	52169	51961	-1	2.80	3015	9.21
Red	A	APC-Cy7	56705	56119	-2	2.85	1162	10.92
Violet	B	V450	14708	14167	-4	3.82	682	8.90
Violet	A	V500	58608	57928	-2	3.58	2573	6.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19900	4.67	596	-2	N/A	N/A	Pass
Blue	F	SSC	61899	2.28	523	5	N/A	N/A	Pass
Blue	E	FITC	115	35.79	532	1	0.0241	132	Pass
Blue	D	PE	223	26.32	527	1	0.2026	246	Pass
Blue	B	PerCP-Cy5-5	232	41.28	624	2	0.0115	74	Pass
Blue	A	PE-Cy7	76	104.80	673	2	0.0139	12	Pass
Red	C	APC	351	26.82	588	-2	0.0216	68	Pass
Red	A	APC-Cy7	128	38.73	573	-3	0.0060	1571	Pass
Violet	B	V450	82	43.70	463	4	0.0492	2356	Pass
Violet	A	V500	187	25.51	493	5	0.0151	1336	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.46	-31.13	0.87
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	17.79	13.27 - 19.91	N/A	N/A	31.38	31.76	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12574

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments